

PLANNING & PROGRAMMING DIVISION  
PLANNING RESEARCH SECTION  
TRAFFIC ANALYSIS UNIT

TAU 3078

T.H. 280

S.P. 6242-37

Kasota Ave. Interchange, and  
the West Frontage Road and  
Connecting Ramps

Prepared: December, 1965

MINNESOTA HIGHWAY DEPARTMENT

U.S. DEPARTMENT OF COMMERCE  
BUREAU OF PUBLIC ROADS



DEPARTMENT HIGHWAY

STATE OF MINNESOTA

## Office Memorandum

TO : T.S. Thompson  
Road Design Engineer

DATE: December 13, 1965

FROM : Robert D. Owens  
Traffic Analysis Engineer

SUBJECT: T.H. 280, S.P. 6242-37, Kasota Ave.  
Interchange, and the West Frontage Road and  
Connecting Ramps

This report is transmitted in response to your October 21, 1965 request for 1986 ADT, DHV, and HCADT for the subject location as shown on the map on page 2. The 1986 ADT and DHV have already been transmitted in TAU 401 on November 24, 1965. The HCADT in this transmittal is attendant to the 1986 ADT in TAU 401.

For each segment numbered on page 3, the following data are tabulated in the forms on pages 4 and 5:

- (a) Vehicle Type Distribution
- (b) Total ADT
- (c) Total Heavy Commercial ADT

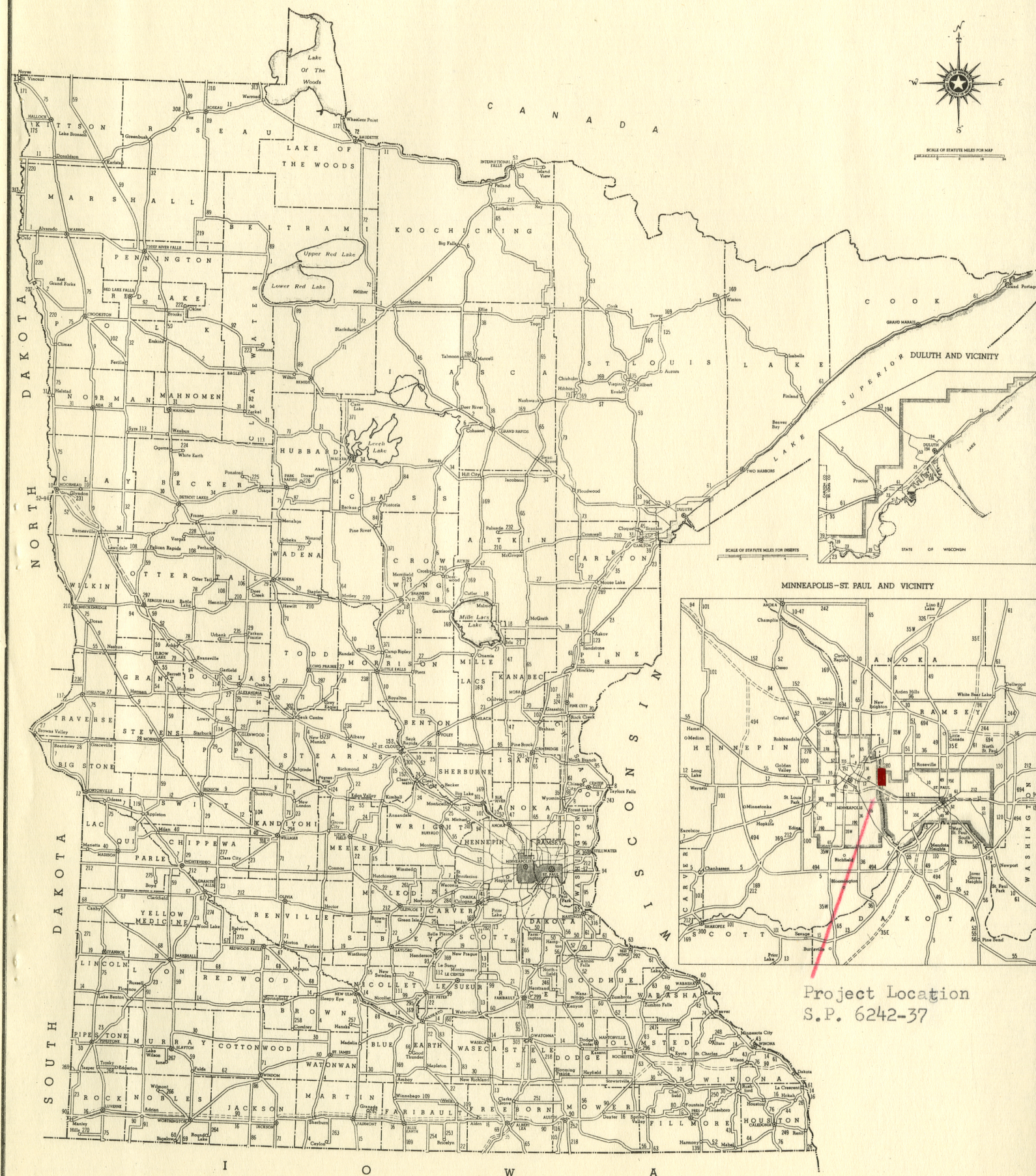
T.H. 280 at the north end of the project has a 1964 ADT of 19,710.

Basic Data, Method and Assumptions are presented on page 6.

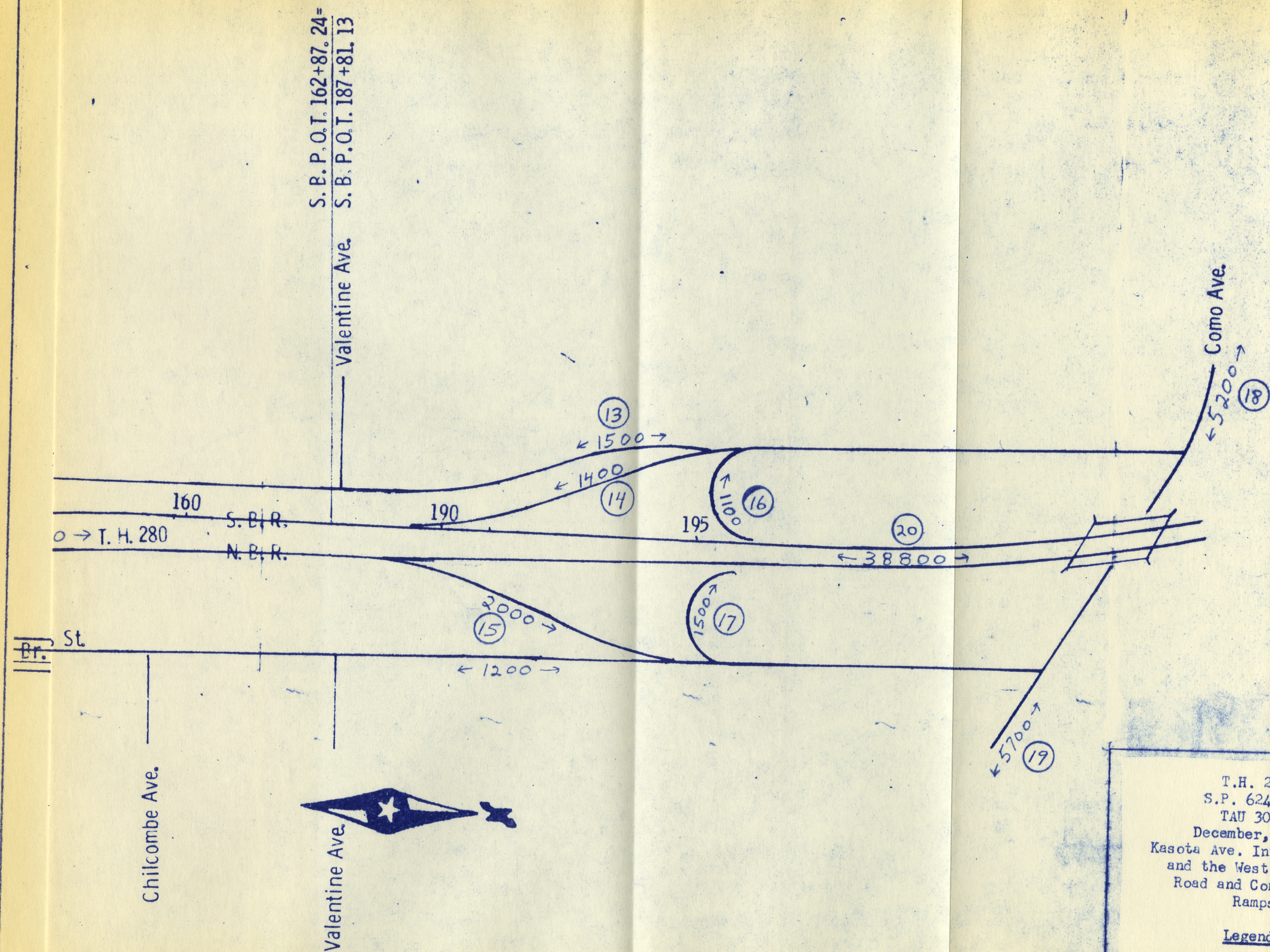
B. L. Warzala requested this report for Wayne Sweet.

*Robert D. Owens*

STATE OF MINNESOTA  
DEPARTMENT OF HIGHWAYS  
WORK MAP

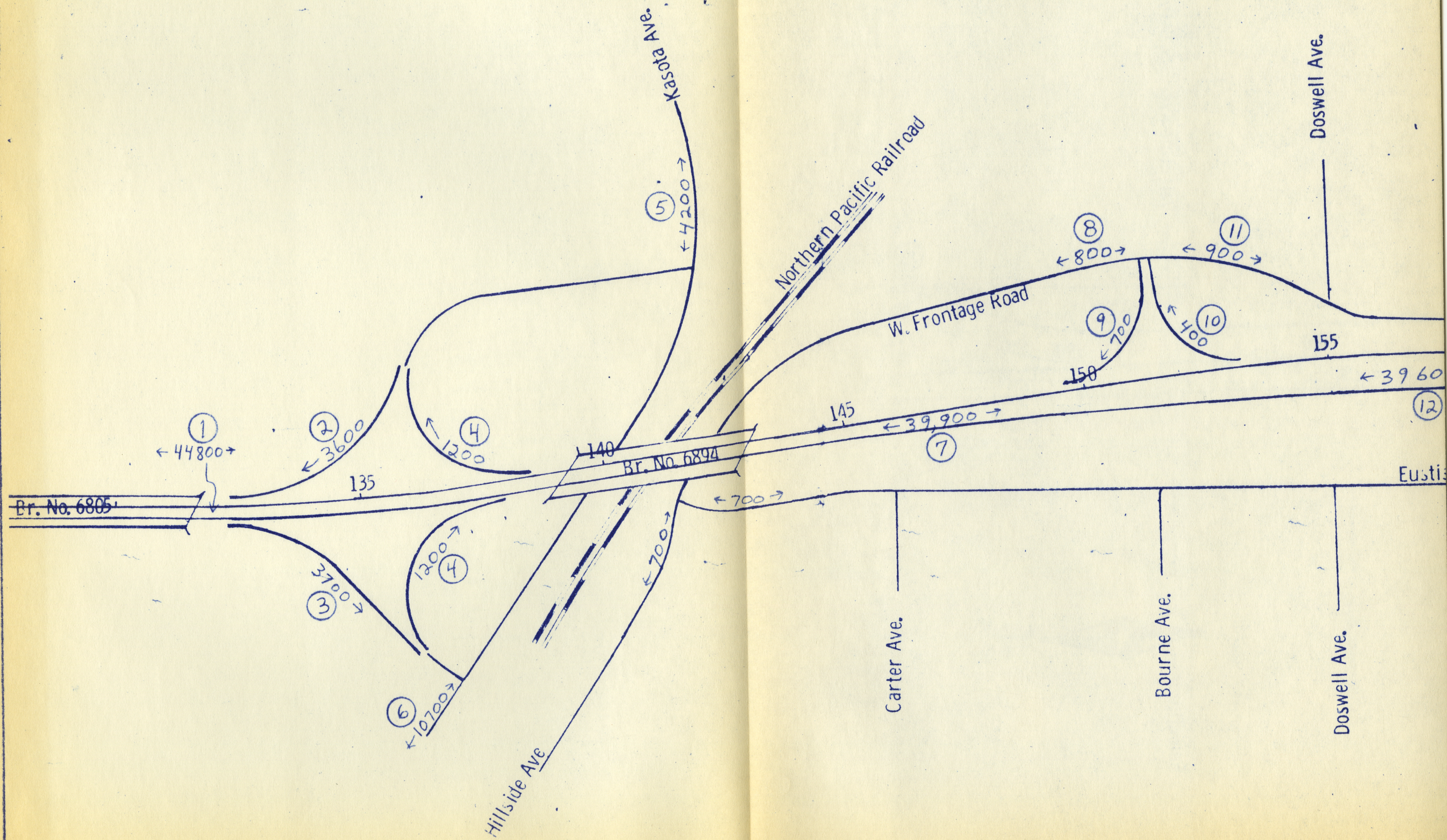






T.H. 280  
 S.P. 6242-37  
 TAU 3078  
 December, 1965  
 Kasota Ave. Interchange,  
 and the West Frontage  
 Road and Connecting  
 Ramps  
Legend  
 Segment Number . . . . . ①  
 1986 ADT . . . . . 44800







## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1986 PART 1 OF 2

FOR

T.H. 280 S.P. 6242-37 LENGTH 0.9 MILESCOUNTY Ramsey LOCATION Kasota AvenueInterchange, and the West Frontage Road and Connecting Ramps

BASED ON

1986 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	41505	3294	3389	1058	3790	9680	36938	733	638	354	808
1	1030	96	98	45	130	320	926	21	18	15	29
2	675	63	64	29	85	210	606	14	13	9	19
3	100	9	9	4	12	30	90	2	2	1	3
4	195	18	18	8	24	60	175	4	4	3	55
5	1220	114	116	54	154	380	1098	24	23	17	34
6	75	6	6	2	5	20	67	2	2	1	2
TOTAL ADT	44800	3600	3700	1200	4200	10700	39900	800	700	400	900
TOTAL H. COMM. ADT	3295	306	311	142	410	1020	2962	67	62	46	92
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS

## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1986 PART 2 OF 2

FOR

T.H. 280 S.P. 6242-37 LENGTH 0.9 MILESCOUNTY Ramsey LOCATION Kasota Ave.Interchange, and the west Frontage Road and Connecting Ramps

BASED ON

1986 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 20 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20		
0	36654	1358	1300	1842	1006	1369	4675	5195	35887		
1	923	45	30	47	29	40	152	147	915		
2	602	29	20	32	19	26	100	97	595		
3	89	4	3	5	3	4	14	14	88		
4	174	8	6	9	5	7	29	28	171		
5	1092	54	36	57	34	48	180	174	1081		
6	66	2	5	8	4	6	50	45	63		
TOTAL ADT	39600	1500	1400	2000	1100	1500	5200	5700	38800		
TOTAL H. COMM. ADT	2946	142	100	158	94	131	525	505	2913		
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS



Basic Data, Method, and Assumptions

The 1986 ADT and DHV were developed from the System 10 Metropolitan Area Traffic Assignment and were transmitted in TAU 401 on November 24, 1965.

The System 10 total HCADT for the project in 1985 was first increased to 1986 HCADT and then distributed by vehicle type for each segment. The distributions by vehicle type are based on vehicle classification counts recorded for routes in the area of influence of the studied section of T.H. 280.